SOLAX POWER | BVB 09 PARTNER

X1-Micro 4 in 1

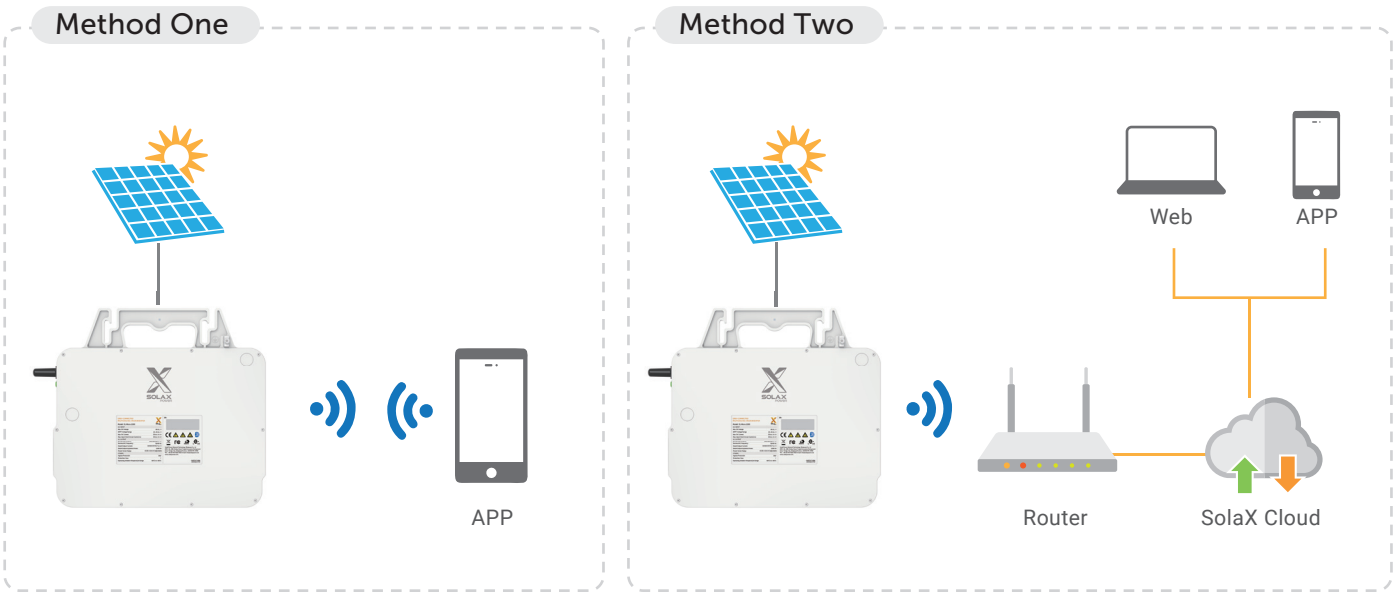
The SolaX X1-Micro series of microinverters stands out as one of the most powerful options in the 4-in-1 microinverter category, boasting an impressive output power of up to 2200 VA. These cutting-edge products are specifically designed to handle the latest and previous generation of high-power modules with 4 independent MPPTs, allowing for substantial input current and output power capabilities. The integration of a reliable Wi-Fi wireless solution ensures consistent and dependable communication functionality. Offering a cost-effective solution for both residential and commercial solar applications, these microinverters are fully compatible with SolaX Hybrid systems and can also be seamlessly integrated into AC coupled systems on the market.

X1-Micro 1300 / X1-Micro 1500 / X1-Micro 1600 / X1-Micro 1800 / X1-Micro 2000 / X1-Micro 2200

Features

- Max output power up to 2200VA with four independent input channels(MPPT)
- Up to 20A DC input current to be compatible with the high power PV module
- Built-in industrial grade Wi-Fi module for high reliability
- Safety protection relay integrated
- Support micro-grid, AC coupling solution with existing storage system
- Support the integration of a single-phase microinverter into a three-phase power grid system
- With Reactive Power Control and Rapid Shutdown Function
- Easy to install and maintain with small size, light weight
- IP67 protection class, more reliable

Communication Diagram



X1-Micro

	X1-Micro 1300	X1-Micro 1500	X1-Micro 1600	X1-Micro 1800	X1-Micro 2000	X1-Micro 2200
DC INPUT						
Max. PV input power [W]	300 to 505+	320 to 540+	360 to 600+	400 to 600+	400 to 670+	400 to 670+
Max. PV input voltage [V]	60					
MPPT voltage range [V]	22–60					
Start-up voltage [V]	20					
Max. PV input current [A]	4 x 12	4 x 13	4 x 15	4 x 16	4 x 18	4 x 19.5
Max. input short circuit current Isc [A]	4 x 20	4 x 20	4 x 20	4 x 20	4 x 20	4 x 20
No. of MPP trackers	4					
Strings per MPP tracker	1					
AC OUTPUT						
Rated AC output power [VA]	1300	1500	1600	1800	2000	2200
Maximum continuous output power [VA]	1300	1500	1600	1800	2000	2200
Maximum continuous output current [A]	5.91@220V 5.66@230V 5.42@240V	6.82@220V 6.53@230V 6.25@240V	7.28@220V 6.96@230V 6.67@240V	8.19@220V 7.83@230V 7.50@240V	9.10@220V 8.70@230V 8.34@240V	10.00@220V 9.57@230V 9.17@240V
Rated grid voltage/range [V]	220 or 230 or 240 / 180-275					
Nominal AC frequency/range [Hz]	50/45–55 or 60/55–65					
Maximum units per 10AWG branch*	6@220V 7@230V 7@240V	5@220V 6@230V 6@240V	5@220V 5@230V 6@240V	4@220V 5@230V 5@240V	4@220V 4@230V 4@240V	4@220V 4@230V 4@240V
Maximum units per 12AWG branch*	5@220V 5@230V 5@240V	4@220V 4@230V 5@240V	4@220V 4@230V 4@240V	3@220V 4@230V 4@240V	3@220V 3@230V 3@240V	3@220V 3@230V 3@240V
Power Factor range	>0.99(-0.8~0.8 adjustable)					
THDi (Rated power) [%]	<3					
EFFICIENCY						
Max. Effciency	96.50%					
Nominal MPPT efficiency	99.9%					
Night power consumption [mW]	< 40					
STANDARD						
Safety	IEC62109					
EMC	IEC 61000, EN 62920, EN 301489, EN 55011					
Grid Connection Standard	IEC 61727, IEC 62116, EN 50549, VDE 4105, UNE217001, UNE217002, RD244/647, NTS Version 2.1 TYPE A, INMETRO, PEA/MEA					
ENVIRONMENT LIMIT						
Ingress protection rating	IP67					
Operating ambient temperature range [°C]	-40 to 75					
Humidity[%]	0 ~ 100(condensing)					
Storage temperature [°C]	-40 to 75					
GENERAL						
Dimension(W x H x D) [mm]	322 x 242 x 48.5					
Weight [kg]	6.2					
Cooling concept	Natural convection					
Communication	Built-in Wi-Fi					
Monitoring	Solax Cloud					

* Refer to local requirements for exact number of microinverters per branch.

**V1.6. Information may be subject to modify without notice.*

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